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TITLE : PACKING MATERIAL FOR CHROMATOGRAPHY

ABSTRACT : PURPOSE: To obtain a packing material having good separation performance and excellent physical, chemical and biological stability by using porous carbon fine particles which are substantially spheres with a specified particle size and have coated surfaces.

CONSTITUTION: The porous carbon fine particles as the supporting body of the packing material for chromatography consist of substantial spheres with sphericity of $\leq 1/2$ of the max. diameter, preferably $\leq 1/4$, and more preferably $\leq 1/8$. The average particle size of the porous carbon fine particles is 0.5-100 μ m and preferably 1-30 μ m. The surface of the porous carbon fine particle is modified with a coating material such as protein A, polyethylene glycohol and the like. The obtd. packing material for chromatography has high mechanical strength and durability against high temp. and has excellent chemical stability and biological stability and good separation performance.

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